

WHAT IS CLAIMED IS:

1. A valve comprising a supporting dome, a valve body situated in said dome, a valve disk which is connected to the supporting dome and has an opening which can be closed by the valve body, and an element having a spring action which urges the valve body toward a position in which the valve body closes the opening of the valve disk, wherein the valve disk has a receptacle for a screen element, and the screen element is permanently connected to the valve disk.

2. A valve according to claim 1, wherein the supporting dome and the valve disk have common contact surfaces and are connected by a clamp element, and wherein said clamp element also fastens the valve in an opening.

3. A valve according to claim 1, wherein the valve disk is equipped with a hood and the screen element is disposed in said hood.

4. A valve according to claim 3, wherein the screen element is composed of sintered or foamed synthetic resin material.

5. A valve according to claim 3, wherein the screen element is made of a synthetic resin material.

6. A valve according to claim 5, wherein the synthetic resin material is a polyamide or a polyester material.

7. A valve according to claim 1, wherein the valve has an opening pressure in the range from 0.1 to 0.4 bar.

8. A valve according to claim 1, wherein said valve has a liquid throughput in the range from 0.5 to 5 liters per minute.

9. A valve according to claim 1, wherein the supporting dome is equipped with a guide pin, and the valve body moves on this guide pin.

10. A valve according to claim 1, wherein the supporting dome, the valve body and the valve disk are made of synthetic resin material.

11. A valve according to claim 9, wherein the synthetic resin material is a nylon polyamide.

12. A valve according to claim 1, wherein the valve is arranged in a lubricating oil circuit of an internal combustion engine.